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TECHNICAL MEMORANDUM

(TM Series)

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Utility Program Descriptions

Milestone 11

Binary Tape To Card (BTTC)

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By

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15 May 1963

Approved

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Preface

This document is intended as preliminary Milestone 11 documentation for Binary Tape To Card (BTTC).

The CPL catalog number for BTTC is 75674.

SUBROUTINE IDENTIFICATION

A. Binary Tape To Card (BTTC) Ident G74, Mod AA

B. Programmed: 1 March 1962
System Development Corporation

C. Documented: 15 May 1963
W. Taber, System Development Corporation

PURPOSE

To punch Binary cards from a binary input tape.

USAGE

A. Calling Sequence

```
B       NOP     0
        RTJ     BTTC
B+1     Normal Return
        ZRO     2
B+2     ZRO     0
        ZRO     N
B+3     ZRO     0
        ZRO     F
```

where

N is the logical unit number of the tape to be punched

F is the number of files to be punched.

B. Function Card Format

* BTTC N F

where

N and F are defined above.

C. On-line Messages

There is one typed message

EOF .....

Each time an end of file mark is read the above message is typed and the routine continues if there are more files to be processed.

D. Halts

None

E. Tape Mounting

The binary input tape is mounted on logical unit N where N is specified in the calling sequence or on the function request card.

F. Input/Output Formats

1. The input tape format is 21 words, written in binary mode.

2. The output, on the 523 Card Punch, has the format of the MTCII 1604 Binary card (see Reference B).

G. Jump and Stop Key Settings

None

METHOD

A binary record is read and the image converted to binary card format. The card is punched. Each time an end of file mark is read the EOF message is typed and the file count reduced by one. If the file count is then zero, BTTC exits to MTCII.

RESTRICTIONS

A. The routine makes no tape read parity or read length error checks.

B. Index registers 1-5 are used and not restored. The A and Q registers are not restored.

TIMING

BTTC punches 100 cards per minute maximum. Its timing is dependent on the speed of the 523 punch.

STORAGE REQUIREMENTS

Program Storage :	133_{10}
Temporary Storage:	62_{10}
Unused Storage	16190_{10}

REFERENCES

A. The CPL catalog number for BTTC is 75674.

B. "Master Tape Control II (MTCII)," Milestone 11, 24 August 1962, TM-745/000/00.

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Reports that BTTC (Binary Tape to Card) punches Binary cards from a binary input tape. States that each time an end of file mark is read the EOF message is typed and the file count reduced by one. Also states that if the file count is then zero, BTTC exits to MTCII. UNCLASSIFIED

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